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	THE DIC DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO.	FILING DATE	Hiroaki Yamamoto	06501- 092001/	1427
10/020,674	10/30/2001	mitoaki ramamoto	D1-A0009-	
26161 7	590 03/18/2003			
20101			EXAMINER	
FISH & RICHARDSON PC 225 FRANKLIN ST		`	PAK, YONG D	
DOD 1011, 1111	• •=:	•	ART UNIT	PAPER NUMBER
		•	1652	9
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		,	DATE MAILED: 03/18/200	3

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
_	10/020,674	YAMAMOTO ET AL.			
Office Action Summary	Examiner	Art Unit			
Office Action Guilliary	Yong Pak	1652			
The MAILING DATE of this communication	appears on the cover shee	et with the correspondence address			
Pariod for Reniv					
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st - Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b). Status	R 1.136(a). In no event, however, m reply within the statutory minimum riod will apply and will expire SIX (6)	ay a reply be timely filed of thirty (30) days will be considered timely. MONTHS from the mailing date of this communication.			
1) Responsive to communication(s) filed on	·				
This action is FINA 2b)	This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	ation				
4) Claim(s) 1-23 is/are pending in the application is the application of the application	ation. odrawn from consideratio	n.			
4a) Of the above claim(s) is/are with	Idiawii ilom considerane.	···			
5) Claim(s) is/are allowed.					
6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.	u u ulian namuiromoni	·			
8) Claim(s) <u>1-23</u> are subject to restriction an Application Papers	nd/or election requirement	L.			
9) The specification is objected to by the Exa	miner.	. a E wines			
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection	to the drawing(s) be held in	abeyance. See 37 CFR 1.03(a).			
11) The proposed drawing correction filed on	is: a)	o) asapproved by the Examinor.			
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the	he Examiner.				
Priority under 35 U.S.C. §§ 119 and 120		(1)			
13) Acknowledgment is made of a claim for f	oreign priority under 35 U	I.S.C. § 119(a)-(a) or (t).			
a) ☐ All b) ☐ Some * c) ☐ None of:					
1 Certified copies of the priority docu	ıments have been receive	ed.			
2 Cortified copies of the priority docu	uments have been receive	ed in Application No			
3. Copies of the certified copies of the application from the Internation	e priority documents have nal Bureau (PCT Rule 17 r a list of the certified cop	e been received in this National Stage .2(a)). ies not received.			
14) Acknowledgment is made of a claim for do	omestic priority under 35	U.S.C. § 119(e) (to a provisional application).			
a) The translation of the foreign langua	nce provisional application	n has been received.			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-93) Information Disclosure Statement(s) (PTO-1449) Paper	948) 5) 🔲 1	nterview Summary (PTO-413) Paper No(s) Notice of Informal Patent Application (PTO-152) Other:			

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DETAILED ACTION

Claims 1-23 are pending.

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-4 and 8-9, drawn to a dehydrogenase, classified in class 435, subclass 190.
- II. Claims 5-7 and 10-16, drawn to DNA encoding a dehydrogenase, vector comprising said DNA, transformant comprising said DNA and a method of producing the dehydrogenase, classified in class 435, subclass 190.
- III. Claims 17-23, drawn to a method of producing alcohols, classified in class 435, subclass 155.

The inventions are distinct, each from the other because of the following reasons:

The protein of Invention I is related to the nucleic acids of Invention II by virtue of encoding the same. Although the DNA molecule and protein are related since the DNA encodes the claimed protein, they are distinct inventions. The two are physically and functionally distinct chemical entities. Also, the protein product can be made by another and materially different process, such as by synthetic peptide synthesis or purification from a natural source. Furthermore, the DNA may be used for processes other than the production of the protein, such as nucleic acid hybridization assay.

Inventions II and III are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the

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process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the DNA of Invention II can be used for the production of the protein of Invention II or in hybridization assays.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper. Because these inventions are distinct for the reasons given above and restriction for examination purposes as indicated is proper.

· Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yong Pak whose telephone number is 703-308-9363. The examiner can normally be reached on 8:00 A.M. to 4:30 P.M weekdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapu Achutamurthy can be reached on 703-308-3804. The fax phone numbers for the organization where this application or proceeding is assigned

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are 703-872-9306 for regular communications and 703-872-9307 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.

Yong Pak Patent Examiner

March 12, 2003

PONNATHAPUACHUT MURTHY SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1500